

<110> INCYTE CORPORATION; CHAWLA, Narinder K.;  
 TANG, Y. Tom Tang; GRIFFIN, Jennifer A.;  
 YANG, Yonghong G.; RAMKUMAR, Jayalaxmi;  
 KHARE, Reena; RICHARDSON, Thomas W.;  
 BECHA, Shanya D.; TRAN, Uyen K.;  
 KABLE, Amy E.; SWARNAKAR, Anita;  
 WARREN, Bridget A.; ELLIOTT, Vicki S.;  
 MARQUIS, Joseph P.; HAFALIA, April J.A.

<120> CARBOHYDRATE-ASSOCIATED PROTEINS

<130> PF-1612 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/425,423

<151> 2002-11-12

<150> US 60/441,847

<151> 2003-01-21

<150> US 60/453,882

<151> 2003-03-10

<150> US 60/456,645

<151> 2003-03-20

<150> US 60/463,676

151> 2003-04-16

<160> 40

<170> PERL Program

<210> 1

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7521032CD1

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Ala	Ala	Ser	Tyr	Ser	Glu	Thr	Val	Thr	Cys	Glu	Asp	Ala	Gln	Lys
				20					25					30
Thr	Cys	Pro	Ala	Val	Ile	Ala	Cys	Ser	Ser	Pro	Gly	Ile	Asn	Gly
				35					40					45
Phe	Pro	Gly	Lys	Asp	Gly	Arg	Asp	Gly	Thr	Lys	Gly	Glu	Lys	Gly
				50					55					60
Glu	Pro	Gly	Gln	Gly	Leu	Arg	Gly	Leu	Gln	Gly	Pro	Pro	Gly	Lys
				65					70					75
Leu	Gly	Pro	Pro	Gly	Asn	Pro	Gly	Pro	Ser	Gly	Ser	Pro	Gly	Pro
				80					85					90
Lys	Gly	Gln	Lys	Gly	Asp	Pro	Gly	Lys	Ser	Pro	Gly	Lys	Asp	Pro
				95					100					105
Ser	Lys	Val												

<210> 2

<211> 622

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2936048CD1

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Ala	Pro	Tyr	His	Thr	Gly	Asp	Pro	Gln	Leu	Asp	Thr	Ala	Ile	Gly
				20					25					30
Gln	Trp	Leu	Arg	Trp	Asp	Lys	Asn	Pro	Lys	Thr	Lys	Glu	Gln	Ile
				35					40					45
Glu	Asn	Leu	Leu	Arg	Asn	Gly	Met	Asn	Lys	Glu	Leu	Arg	Asp	Arg
				50					55					60
Leu	Cys	Cys	Arg	Met	Thr	Phe	Gly	Thr	Ala	Gly	Leu	Arg	Ser	Ala
				65					70					75
Met	Gly	Ala	Gly	Phe	Cys	Tyr	Ile	Asn	Asp	Leu	Thr	Val	Ile	Gln
				80					85					90
Ser	Thr	Gln	Gly	Met	Tyr	Lys	Tyr	Leu	Glu	Arg	Cys	Phe	Ser	Asp
				95					100					105
Phe	Lys	Gln	Arg	Gly	Phe	Val	Val	Gly	Tyr	Asp	Thr	Arg	Gly	Gln
				110					115					120
Val	Thr	Ser	Ser	Cys	Ser	Ser	Gln	Arg	Leu	Ala	Lys	Leu	Thr	Ala
				125					130					135
Ala	Val	Leu	Leu	Ala	Lys	Asp	Val	Pro	Val	Tyr	Leu	Phe	Ser	Arg
				140					145					150
Tyr	Val	Pro	Thr	Pro	Phe	Val	Pro	Tyr	Ala	Val	Gln	Lys	Leu	Lys
				155					160					165
Ala	Val	Ala	Gly	Val	Met	Ile	Thr	Ala	Ser	His	Asn	Arg	Lys	Glu
				170					175					180
Asp	Asn	Gly	Tyr	Lys	Val	Tyr	Trp	Glu	Thr	Gly	Ala	Gln	Ile	Thr
				185					190					195
Ser	Pro	His	Asp	Lys	Glu	Ile	Leu	Lys	Cys	Ile	Glu	Glu	Cys	Val
				200					205					210
Glu	Pro	Trp	Asn	Gly	Ser	Trp	Asn	Asp	Asn	Leu	Val	Asp	Thr	Ser
				215					220					225
Pro	Leu	Lys	Arg	Asp	Pro	Leu	Gln	Asp	Ile	Cys	Arg	Arg	Tyr	Met
				230					235					240
Glu	Asp	Leu	Lys	Lys	Ile	Cys	Phe	Tyr	Arg	Glu	Leu	Asn	Ser	Lys
				245					250					255
Thr	Thr	Leu	Lys	Phe	Val	His	Thr	Ser	Phe	His	Gly	Val	Gly	His
				260					265					270
Asp	Tyr	Val	Gln	Leu	Ala	Phe	Lys	Val	Phe	Gly	Phe	Lys	Pro	Pro
				275					280					285
Ile	Pro	Val	Pro	Glu	Gln	Lys	Asp	Pro	Asp	Pro	Asp	Phe	Ser	Thr
				290					295					300
Val	Lys	Cys	Pro	Asn	Pro	Glu	Glu	Gly	Glu	Ser	Val	Leu	Glu	Leu
				305					310					315
Ser	Leu	Arg	Leu	Ala	Glu	Lys	Glu	Asn	Ala	Arg	Val	Val	Leu	Ala
				320					325					330
Thr	Asp	Pro	Asp	Ala	Asp	Arg	Leu	Ala	Ala	Ala	Glu	Leu	Gln	Glu
				335					340					345
Asn	Gly	Cys	Trp	Lys	Val	Phe	Thr	Gly	Asn	Glu	Leu	Ala	Ala	Leu
				350					355					360
Phe	Gly	Trp	Trp	Met	Phe	Asp	Cys	Trp	Lys	Lys	Asn	Lys	Ser	Arg
				365					370					375
Asn	Ala	Asp	Val	Lys	Asn	Val	Tyr	Met	Leu	Ala	Thr	Thr	Val	Ser
				380					385					390
Ser	Lys	Ile	Leu	Lys	Ala	Ile	Ala	Leu	Lys	Glu	Gly	Phe	His	Phe
				395					400					405
Glu	Glu	Thr	Leu	Pro	Gly	Phe	Lys	Trp	Ile	Gly	Ser	Arg	Ile	Ile

Asp Leu Leu Glu	410	Asn Gly Lys Glu Val	415	Leu Phe Ala Phe Glu Glu	420
	425		430		435
Ser Ile Gly Phe	440	Leu Cys Gly Thr Ser	445	Val Leu Asp Lys Asp Gly	450
Val Ser Ala Ala	455	Val Val Val Ala Glu	460	Met Ala Ser Tyr Leu Glu	465
Thr Met Asn Ile	470	Thr Leu Lys Gln Gln	475	Leu Val Lys Val Tyr Glu	480
Lys Tyr Gly Tyr	485	His Ile Ser Lys Thr	490	Ser Tyr Phe Leu Cys Tyr	495
Glu Pro Pro Thr	500	Ile Lys Ser Ile Phe	505	Glu Arg Leu Arg Asn Phe	510
Asp Ser Pro Lys	515	Glu Tyr Pro Lys Phe	520	Cys Gly Thr Phe Ala Ile	525
Leu His Val Arg	530	Asp Ile Thr Thr Gly	535	Tyr Asp Ser Ser Gln Pro	540
Asn Lys Lys Ser	545	Val Leu Pro Val Ser	550	Lys Asn Ser Gln Met Ile	555
Thr Phe Thr Phe	560	Gln Asn Gly Cys Val	565	Ala Thr Leu Arg Thr Ser	570
Gly Thr Glu Pro	575	Lys Ile Lys Tyr Tyr	580	Ala Glu Met Cys Ala Ser	585
Pro Asp Gln Ser	590	Asp Thr Ala Leu Leu	595	Glu Glu Glu Leu Lys Lys	600
Leu Ile Asp Ala	605	Leu Ile Glu Asn Phe	610	Leu Gln Pro Ser Lys Asn	615
Gly Leu Ile Trp	620	Arg Ser Val			

&lt;210&gt; 3

&lt;211&gt; 210

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521726CD1

&lt;400&gt; 3

Met Ala Gly Cys Val	1	Pro Leu Leu Gln Gly	10	Leu Val Leu Val Leu	15
Ala Leu His Arg Val	20	Glu Pro Ser Val Phe	25	Leu Pro Ala Ser Lys	30
Ala Asn Asp Val Leu	35	Val Arg Trp Lys Arg	40	Ala Gly Ser Tyr Leu	45
Leu Glu Glu Leu Phe	50	Glu Gly Asn Leu Glu	55	Lys Glu Cys Tyr Glu	60
Glu Thr Cys Val Tyr	65	Glu Glu Ala Arg Glu	70	Val Phe Glu Asn Glu	75
Val Val Thr Asp Glu	80	Phe Trp Arg Arg Tyr	85	Lys Gly Gly Ser Pro	90
Cys Ile Ser Gln Pro	95	Cys Leu His Asn Gly	100	Ser Cys Gln Asp Ser	105
Ile Trp Gly Tyr Thr	110	Cys Thr Cys Ser Pro	115	Gly Tyr Glu Gly Ser	120
Asn Cys Glu Leu Ala	125	Lys Asn Glu Cys His	130	Pro Glu Arg Thr Asp	135
Gly Cys Gln His Phe	140	Cys Leu Pro Gly Gln	145	Glu Ser Tyr Thr Cys	150
Ser Cys Ala Gln Gly	155	Tyr Arg Leu Gly Glu	160	Asp His Lys Gln Cys	165
Val Pro His Asp Gln		Cys Ala Cys Gly Val		Leu Thr Ser Glu Lys	

	170		175		180
Arg Ala Pro Asp	Leu Gln Asp Leu Pro	Trp Gln Asn Glu Pro	Arg		
	185		190		195
Pro Ala Asp Asp	Gln Asp Asn Ala Arg	Pro Cys Ala His Ala	Val		
	200		205		210

<210> 4  
 <211> 248  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7523383CD1

<400> 4

Met Ala Lys Asp Phe	Gln Asp Ile Gln Gln	Leu Ser Ser Glu Glu	
1	5	10	15
Asn Asp His Pro Phe	His Gln Gly Ala Gln	Leu Gln Ala Glu Leu	
	20	25	30
Arg Ser Leu Lys Glu	Ala Phe Ser Asn Phe	Ser Ser Ser Thr Leu	
	35	40	45
Thr Glu Val Gln Ala	Ile Ser Thr His Gly	Gly Ser Val Gly Asp	
	50	55	60
Lys Ile Thr Ser Leu	Gly Ala Lys Leu Glu	Lys Gln Gln Gln Asp	
	65	70	75
Leu Lys Ala Asp His	Asp Ala Leu Leu Phe	His Leu Lys His Phe	
	80	85	90
Pro Val Asp Leu Arg	Phe Val Ala Cys Gln	Met Glu Leu Leu His	
	95	100	105
Ser Asn Gly Ser Gln	Arg Thr Cys Cys Pro	Val Asn Trp Val Glu	
	110	115	120
His Gln Gly Ser Cys	Tyr Trp Phe Ser His	Ser Gly Lys Ala Trp	
	125	130	135
Ala Glu Ala Glu Lys	Tyr Cys Gln Leu Glu	Asn Ala His Leu Val	
	140	145	150
Val Ile Asn Ser Trp	Glu Glu Gln Lys Phe	Ile Val Gln His Thr	
	155	160	165
Asn Pro Phe Asn Thr	Trp Ile Gly Leu Thr	Asp Ser Asp Gly Ser	
	170	175	180
Trp Lys Trp Val Asp	Gly Thr Asp Tyr Arg	His Asn Tyr Lys Asn	
	185	190	195
Trp Ala Val Thr Gln	Pro Asp Asn Trp His	Gly His Glu Leu Gly	
	200	205	210
Gly Ser Glu Asp Cys	Val Glu Val Gln Pro	Asp Gly Arg Trp Asn	
	215	220	225
Asp Asp Phe Cys Leu	Gln Val Tyr Arg Trp	Val Cys Gly Lys Arg	
	230	235	240
Arg Asn Ala Thr Gly	Glu Val Ala		
	245		

<210> 5  
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 <213> Homo sapiens

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 Met Ala Gly Cys Val Pro Leu Leu Gln Gly Leu Val Leu Val Leu

1	5	10	15
Ala Leu His Arg Val	Glu Pro Ser Val	Phe Leu Pro Ala Ser	Lys
	20	25	30
Ala Asn Asp Val	Leu Val Arg Trp Lys	Arg Ala Gly Ser Tyr	Leu
	35	40	45
Leu Glu Glu Leu Phe	Glu Gly Asn Leu	Lys Glu Cys Tyr	Glu
	50	55	60
Glu Ile Cys Val Tyr	Glu Glu Ala Arg	Glu Val Phe Glu Asn	Glu
	65	70	75
Val Val Thr Asp	Glu Phe Trp Arg Arg	Tyr Lys Gly Lys Trp	Phe
	80	85	90
Pro Ser Ser Pro	Gln Lys Tyr		
	95		

&lt;210&gt; 6

&lt;211&gt; 479

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524406CD1

&lt;400&gt; 6

Met Gly Arg Ile Gly	Ile Ser Cys Leu	Phe Pro Ala Ser Trp	His
1	5	10	15
Phe Ser Ile Ser Pro	Val Gly Cys Pro	Arg Ile Leu Asn Thr	Asn
	20	25	30
Leu Arg Gln Ile Met	Val Ile Ser Val	Leu Ala Ala Ala Val	Ser
	35	40	45
Leu Leu Tyr Phe Ser	Val Val Ile Ile	Arg Asn Lys Tyr Gly	Arg
	50	55	60
Leu Thr Arg Asp Lys	Lys Phe Gln Arg	Tyr Leu Ala Arg Val	Thr
	65	70	75
Asp Ile Glu Ala Thr	Asp Thr Asn Asn	Pro Asn Val Ser Tyr	Gly
	80	85	90
Ile Val Val Asp Cys	Gly Ser Ser Gly	Ser Arg Val Phe Val	Tyr
	95	100	105
Cys Trp Pro Arg His	Asn Gly Asn Pro	His Asp Leu Leu Asp	Ile
	110	115	120
Arg Gln Met Arg Asp	Lys Asn Arg Lys	Pro Val Val Met Lys	Ile
	125	130	135
Lys Pro Gly Ile Ser	Glu Phe Ala Thr	Ser Pro Glu Lys Val	Ser
	140	145	150
Asp Tyr Ile Ser Pro	Leu Leu Asn Phe	Ala Ala Glu His Val	Pro
	155	160	165
Arg Ala Lys His Lys	Glu Thr Pro Leu	Tyr Ile Leu Cys Thr	Ala
	170	175	180
Gly Met Arg Ile Leu	Pro Glu Ser Gln	Lys Ala Ile Leu	Glu
	185	190	195
Asp Leu Leu Thr Asp	Ile Pro Val His	Phe Asp Phe Leu Phe	Ser
	200	205	210
Asp Ser His Ala Glu	Val Ile Ser Gly	Lys Gln Glu Gly Val	Tyr
	215	220	225
Ala Trp Ile Gly Ile	Asn Phe Val Leu	Gly Arg Phe Glu His	Ile
	230	235	240
Glu Asp Asp Asp Glu	Ala Val Val Glu	Val Asn Ile Pro Gly	Ser
	245	250	255
Glu Ser Ser Glu Ala	Ile Val Arg Lys	Arg Thr Ala Gly Ile	Leu
	260	265	270
Asp Met Gly Gly Val	Ser Thr Gln Ile	Ala Tyr Glu Val Pro	Lys
	275	280	285
Thr Glu Glu Val Ala	Lys Asn Leu Leu	Ala Glu Phe Asn Leu	Gly

	290		295		300
Cys Asp Val His	Gln Thr Glu His Val	Tyr Arg Val Tyr Val	Ala		
	305		310		315
Thr Phe Leu Gly	Phe Gly Gly Asn Ala	Ala Arg Gln Arg Tyr	Glu		
	320		325		330
Asp Arg Ile Phe	Ala Asn Thr Ile Gln	Lys Asn Arg Leu Leu	Gly		
	335		340		345
Lys Gln Thr Gly	Leu Thr Pro Asp Met	Pro Tyr Leu Asp Pro	Cys		
	350		355		360
Leu Pro Leu Asp	Ile Lys Asp Glu Ile	Gln Gln Asn Gly Gln	Thr		
	365		370		375
Ile Tyr Leu Arg	Gly Thr Gly Asp Phe	Asp Leu Cys Arg Glu	Thr		
	380		385		390
Ile Gln Pro Phe	Met Asn Lys Thr Asn	Glu Thr Gln Thr Ser	Leu		
	395		400		405
Asn Gly Val Tyr	Gln Pro Pro Ile His	Phe Gln Asn Ser Glu	Phe		
	410		415		420
Tyr Gly Phe Ser	Glu Phe Tyr Tyr Cys	Thr Glu Asp Val Leu	Arg		
	425		430		435
Met Gly Gly Asp	Tyr Asn Ala Ala Lys	Phe Thr Lys Ala Ala	Lys		
	440		445		450
Asp Tyr Cys Ala	Thr Lys Trp Ser Ile	Leu Arg Glu Arg Phe	Asp		
	455		460		465
Arg Gly Leu Tyr	Ala Ser His Ala Asp	Leu His Arg Leu Lys			
	470		475		

&lt;210&gt; 7

&lt;211&gt; 222

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7524922CD1

&lt;400&gt; 7

Met Ser Asp Ser Lys	Glu Pro Arg Val	Gln Gln Leu Gly Leu Leu		
1	5	10	15	
Val Ser Lys Val Pro	Ser Ser Leu Ser	Gln Glu Gln Ser Glu Gln		
	20	25	30	
Asp Ala Ile Tyr Gln	Asn Leu Thr Gln	Leu Lys Ala Ala Val Gly		
	35	40	45	
Glu Leu Ser Glu Lys	Ser Lys Leu Gln	Glu Ile Tyr Gln Glu Leu		
	50	55	60	
Thr Gln Leu Lys Ala	Ala Val Gly Glu	Leu Pro Glu Lys Ser Lys		
	65	70	75	
Leu Gln Glu Ile Tyr	Gln Glu Leu Thr	Arg Leu Lys Ala Ala Val		
	80	85	90	
Gly Glu Leu Pro Glu	Lys Ser Lys Leu	Gln Glu Ile Tyr Gln Glu		
	95	100	105	
Leu Thr Arg Leu Lys	Ala Ala Val Gly	Glu Leu Pro Glu Lys Ser		
	110	115	120	
Lys Leu Gln Glu Ile	Tyr Gln Glu Leu	Thr Gln Leu Lys Ala Ala		
	125	130	135	
Val Gly Glu Leu Pro	Asp Gln Ser Lys	Gln Gln Ile Tyr Gln		
	140	145	150	
Glu Leu Thr Asp Leu	Lys Thr Ala Phe	Glu Arg Leu Cys Arg His		
	155	160	165	
Cys Pro Lys Asp Trp	Thr Phe Phe Gln	Gly Asn Cys Tyr Phe Met		
	170	175	180	
Ser Asn Ser Gln Arg	Asn Trp His Asn	Ser Val Thr Ala Cys Gln		
	185	190	195	
Glu Val Arg Ala Gln	Leu Val Val Ile	Lys Thr Ala Glu Glu Gln		

	200		205	210
Leu Pro Ala Val	Leu Glu Gln Trp Arg	Thr Gln Gln		
	215	220		

<210> 8  
 <211> 370  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7524936CD1

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 Met Ser Asp Ser Lys Glu Pro Arg Val Gln Gln Leu Gly Leu Leu  
 1 5 10 15  
 Glu Asp Pro Thr Thr Ser Gly Ile Arg Leu Phe Pro Arg Asp Phe  
 20 25 30  
 Gln Phe Gln Gln Ile His Gly His Lys Ser Ser Thr Val Ser Lys  
 35 40 45  
 Val Pro Ser Ser Leu Ser Gln Glu Gln Ser Glu Gln Asp Ala Ile  
 50 55 60  
 Tyr Gln Asn Leu Thr Gln Leu Lys Ala Ala Val Gly Glu Leu Ser  
 65 70 75  
 Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr Gln Leu  
 80 85 90  
 Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu Gln Glu  
 95 100 105  
 Ile Tyr Gln Glu Leu Thr Arg Leu Lys Ala Ala Val Gly Glu Leu  
 110 115 120  
 Pro Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr Arg  
 125 130 135  
 Leu Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu Gln  
 140 145 150  
 Glu Ile Tyr Gln Glu Leu Thr Arg Leu Lys Ala Ala Val Gly Glu  
 155 160 165  
 Leu Pro Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr  
 170 175 180  
 Glu Leu Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu  
 185 190 195  
 Gln Glu Ile Tyr Gln Glu Leu Thr Gln Leu Lys Ala Ala Val Gly  
 200 205 210  
 Glu Leu Pro Asp Gln Ser Lys Gln Gln Gln Ile Tyr Gln Glu Leu  
 215 220 225  
 Thr Asp Leu Lys Thr Ala Phe Glu Arg Leu Cys Arg His Cys Pro  
 230 235 240  
 Lys Asp Trp Thr Phe Phe Gln Gly Asn Cys Tyr Phe Met Ser Asn  
 245 250 255  
 Ser Gln Arg Asn Trp His Asp Ser Val Thr Ala Cys Gln Glu Val  
 260 265 270  
 Arg Ala Gln Leu Val Val Ile Lys Thr Ala Glu Glu Gln Asn Phe  
 275 280 285  
 Leu Gln Leu Gln Thr Ser Arg Ser Asn Arg Phe Ser Trp Met Gly  
 290 295 300  
 Leu Ser Asp Leu Asn Gln Glu Gly Thr Trp Gln Trp Val Asp Gly  
 305 310 315  
 Ser Pro Leu Ser Pro Ser Phe Gln Arg Tyr Trp Asn Ser Gly Glu  
 320 325 330  
 Pro Asn Asn Ser Gly Asn Glu Asp Cys Ala Glu Phe Ser Gly Ser  
 335 340 345  
 Gly Trp Asn Asp Asn Arg Cys Asp Val Asp Asn Tyr Trp Ile Cys  
 350 355 360  
 Lys Lys Pro Ala Pro Arg Phe Arg Asp Glu

365

370

<210> 9  
 <211> 77  
 <212> PRT  
 <213> Homo sapiens  
 <220>  
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 Met Asn Ser Ser Lys Ser Ser Glu Thr Gln Cys Thr Glu Arg Gly  
 1 5 10 15  
 Cys Phe Ser Ser Gln Met Phe Leu Trp Thr Val Ala Gly Ile Pro  
 20 25 30  
 Ile Leu Phe Leu Ser Ala Cys Phe Ile Thr Arg Cys Val Val Thr  
 35 40 45  
 Phe Arg Ile Phe Gln Thr Cys Asp Glu Lys Lys Phe Gln Leu Pro  
 50 55 60  
 Glu Asn Phe Thr Glu Leu Ser Cys Tyr Asn Tyr Gly Ser Ala Ser  
 65 70 75  
 Gly Met

<210> 10  
 <211> 415  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7512576CD1

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 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu  
 1 5 10 15  
 Leu Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu  
 20 25 30  
 Arg Arg Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala  
 35 40 45  
 Leu Pro Gly Ala Gly Ile Pro Phe Trp Ser His His Gly Asp Ala  
 50 55 60  
 Ile Leu Gly Leu Glu Glu Val Arg Leu Thr Pro Ser Met Arg Asn  
 65 70 75  
 Arg Ser Gly Ala Val Trp Ser Arg Ala Ser Val Pro Phe Ser Ala  
 80 85 90  
 Trp Glu Val Glu Val Gln Met Arg Val Thr Gly Leu Gly Arg Arg  
 95 100 105  
 Gly Ala Gln Gly Met Ala Val Trp Tyr Thr Arg Gly Arg Gly His  
 110 115 120  
 Val Gly Ser Val Leu Gly Gly Leu Ala Ser Trp Asp Gly Ile Gly  
 125 130 135  
 Ile Phe Phe Asp Ser Pro Ala Glu Asp Thr Gln Asp Ser Pro Ala  
 140 145 150  
 Ile Arg Val Leu Ala Ser Asp Gly His Ile Pro Ser Glu Gln Pro  
 155 160 165  
 Gly Asp Gly Ala Ser Gln Gly Leu Gly Ser Cys His Trp Asp Phe  
 170 175 180  
 Arg Asn Arg Pro His Pro Phe Arg Ala Arg Ile Thr Tyr Trp Gly  
 185 190 195  
 Gln Arg Leu Arg Met Ser Leu Asn Ser Gly Leu Thr Pro Ser Asp  
 200 205 210



Pro	Asp	Asp	His	Asp	Val	Leu	Ser	Phe	Leu	Thr	Phe	Ser	Leu	Ser		
				215					220					225		
Glu	Pro	Ser	Pro	Glu	Val	Pro	Pro	Gln	Pro	Phe	Leu	Glu	Met	Gln		
				230					235					240		
Gln	Leu	Arg	Leu	Ala	Arg	Gln	Leu	Glu	Gly	Leu	Trp	Ala	Arg	Leu		
				245					250					255		
Gly	Leu	Gly	Thr	Arg	Glu	Asp	Val	Thr	Pro	Lys	Ser	Asp	Ser	Glu		
				260					265					270		
Ala	Gln	Gly	Glu	Gly	Glu	Arg	Leu	Phe	Asp	Leu	Glu	Glu	Thr	Leu		
				275					280					285		
Gly	Arg	His	Arg	Arg	Ile	Leu	Gln	Ala	Leu	Arg	Gly	Leu	Ser	Lys		
				290					295					300		
Gln	Leu	Ala	Gln	Ala	Glu	Arg	Gln	Trp	Lys	Lys	Gln	Leu	Gly	Pro		
				305					310					315		
Pro	Gly	Gln	Ala	Arg	Pro	Asp	Gly	Gly	Trp	Ala	Leu	Asp	Ala	Ser		
				320					325					330		
Cys	Gln	Ile	Pro	Ser	Thr	Pro	Gly	Arg	Gly	Gly	His	Leu	Ser	Met		
				335					340					345		
Ser	Leu	Asn	Lys	Asp	Ser	Ala	Lys	Val	Gly	Ala	Leu	Leu	His	Gly		
				350					355					360		
Gln	Trp	Thr	Leu	Leu	Gln	Ala	Leu	Gln	Glu	Met	Ser	Arg	Gln	Glu		
				365					370					375		
Leu	Asn	Lys	Ser	Leu	Gln	Glu	Cys	Leu	Ser	Thr	Gly	Ser	Leu	Pro		
				380					385					390		
Leu	Gly	Pro	Ala	Pro	His	Thr	Pro	Arg	Ala	Leu	Gly	Ile	Leu	Met		
				395					400					405		
Arg	Gln	Pro	Leu	Pro	Ala	Ser	Met	Pro	Ala							
				410					415							

&lt;210&gt; 11

&lt;211&gt; 441

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7514864CD1

&lt;400&gt; 11

Met	Ala	Ala	Ala	Met	Pro	Leu	Ala	Leu	Leu	Val	Leu	Leu	Leu	Leu		
1				5					10					15		
Gly	Pro	Gly	Gly	Trp	Cys	Leu	Ala	Glu	Pro	Pro	Arg	Asp	Ser	Leu		
				20					25					30		
Arg	Glu	Glu	Leu	Val	Ile	Thr	Pro	Leu	Pro	Ser	Gly	Asp	Val	Ala		
				35					40					45		
Ala	Thr	Phe	Gln	Phe	Arg	Thr	Arg	Trp	Asp	Ser	Glu	Leu	Gln	Arg		
				50					55					60		
Glu	Gly	Gly	Leu	Ser	Val	Leu	Leu	Lys	Ala	Asp	Arg	Leu	Phe	His		
				65					70					75		
Thr	Ser	Tyr	His	Ser	Gln	Ala	Val	His	Ile	Arg	Pro	Val	Cys	Arg		
				80					85					90		
Asn	Ala	Arg	Cys	Thr	Ser	Ile	Ser	Trp	Glu	Leu	Arg	Gln	Thr	Leu		
				95					100					105		
Ser	Val	Val	Phe	Asp	Ala	Phe	Ile	Ala	Gly	Gln	Gly	Lys	Lys	Asp		
				110					115					120		
Trp	Ser	Leu	Phe	Arg	Met	Phe	Ser	Arg	Thr	Leu	Thr	Glu	Pro	Cys		
				125					130					135		
Pro	Leu	Ala	Ser	Glu	Ser	Arg	Val	Tyr	Val	Asp	Ile	Thr	Thr	Tyr		
				140					145					150		
Asn	Gln	Asp	Asn	Glu	Thr	Leu	Glu	Val	His	Pro	Pro	Pro	Thr	Thr		
				155					160					165		
Thr	Tyr	Gln	Asp	Val	Ile	Leu	Gly	Thr	Arg	Lys	Thr	Tyr	Ala	Ile		
				170					175					180		

<400> 12														
Met	Thr	Gln	Leu	Lys	Glu	Ala	Ala	Ile	Gly	Val	Leu	Val	Leu	Ser
1				5					10					15
Trp	Tyr	Pro	Pro	Gly	Met	Ala	Asp	Asp	Asn	Gly	Glu	Pro	Ser	Asp
				20					25					30
Asp	Leu	Val	Pro	Ala	Ile	Leu	Asp	Thr	Ala	His	Gln	Tyr	Ser	Ile
				35					40					45
Gln	Val	Ala	Phe	His	Ile	Gln	Pro	Tyr	Lys	Gly	Arg	Asp	Asp	Ile
				50					55					60
Thr	Val	His	Asp	Asn	Ile	Lys	Tyr	Ile	Ile	Asp	Thr	Tyr	Gly	Ser
				65					70					75
His	Gly	Ala	Phe	Tyr	Arg	Tyr	Lys	Asn	Ser	Met	Gly	Lys	Ser	Leu
				80					85					90
Pro	Leu	Phe	Tyr	Ile	Tyr	Asp	Ser	Tyr	Leu	Thr	Ser	Pro	Glu	Ala
				95					100					105
Trp	Ala	His	Leu	Leu	Thr	Pro	Asn	Gly	Pro	His	Ser	Ile	Arg	Asn
				110					115					120

Thr	Pro	Tyr	Asp	Gly	Val	Phe	Ile	Ala	Leu	Leu	Val	Glu	Glu	Gly
				125					130					135
His	Thr	His	Asp	Ile	Leu	Ala	Ala	Gly	Phe	Asp	Gly	Met	Tyr	Thr
				140					145					150
Tyr	Phe	Ala	Ser	Asn	Gly	Phe	Ser	Phe	Gly	Ser	Ser	His	Gln	Asn
				155					160					165
Trp	Lys	Ala	Val	Lys	Asn	Phe	Cys	Asp	Ala	Asn	Asn	Leu	Met	Phe
				170					175					180
Ile	Pro	Ser	Val	Gly	Pro	Gly	Tyr	Ile	Asp	Thr	Ser	Ile	Arg	Pro
				185					190					195
Trp	Asn	Asn	His	Asn	Thr	Arg	Asn	Arg	Val	Asn	Gly	Lys	Tyr	Tyr
				200					205					210
Glu	Thr	Ala	Leu	Gln	Ala	Ala	Leu	Thr	Val	Arg	Pro	Glu	Ile	Val
				215					220					225
Ser	Ile	Thr	Ser	Phe	Asn	Glu	Trp	His	Glu	Gly	Thr	Gln	Ile	Glu
				230					235					240
Lys	Ala	Ile	Pro	Lys	Lys	Thr	Pro	Thr	Arg	Leu	Tyr	Leu	Asp	Tyr
				245					250					255
Leu	Pro	His	Gln	Pro	Ser	Leu	Tyr	Leu	Glu	Leu	Thr	Arg	Arg	Trp
				260					265					270
Ala	Glu	His	Phe	Ile	Lys	Glu	Lys	Glu	Gln	Trp	Leu	Met		
				275					280					

<210> 13  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7515124CD1

Met	Ser	Ala	Leu	Trp	Leu	Leu	Leu	Gly	Leu	Leu	Ala	Leu	Met	Gly
1				5					10					15
Val	Arg	Ala	Ser	Glu	Arg	Leu	Ala	Glu	Ile	Asp	Met	Pro	Tyr	Leu
				20					25					30
Leu	Lys	Tyr	Gln	Pro	Met	Met	Gln	Thr	Ile	Gly	Gln	Lys	Tyr	Cys
				35					40					45
Met	Asp	Pro	Ala	Val	Ile	Ala	Gly	Val	Leu	Ser	Arg	Lys	Ser	Pro
				50					55					60
Gly	Asp	Lys	Ile	Leu	Val	Asn	Met	Gly	Asp	Arg	Thr	Ser	Met	Val
				65					70					75
Gln	Asp	Pro	Gly	Ser	Gln	Ala	Pro	Thr	Ser	Trp	Ile	Ser	Glu	Ser
				80					85					90
Gln	Val	Ser	Gln	Thr	Thr	Glu	Val	Leu	Thr	Thr	Arg	Ile	Lys	Glu
				95					100					105
Ile	Gln	Arg	Arg	Phe	Pro	Thr	Trp	Thr	Pro	Asp	Gln	Tyr	Leu	Arg
				110					115					120
Gly	Gly	Leu	Cys	Ala	Tyr	Ser	Gly	Gly	Ala	Gly	Tyr	Val	Arg	Ser
				125					130					135
Ser	Gln	Asp	Leu	Ser	Cys	Asp	Phe	Cys	Asn	Asp	Val	Leu	Ala	Arg
				140					145					150
Ala	Lys	Tyr	Leu	Lys	Arg	His	Gly	Phe						
				155										

<210> 14  
 <211> 154  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;223&gt; Incyte ID No: 7514570CD1

&lt;400&gt; 14

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Met His Asp Ser Asn Asn Val Glu Lys Asp Ile Thr Pro Ser Glu
 1          5          10          15
Leu Pro Ala Asn Pro Ala Ile Arg Ala Asn Cys His Gln Glu Pro
          20          25          30
Ser Val Cys Leu Gln Ala Ala Cys Pro Glu Ser Trp Ile Gly Phe
          35          40          45
Gln Arg Lys Cys Phe Tyr Phe Ser Asp Asp Thr Lys Asn Trp Thr
          50          55          60
Ser Ser Gln Arg Phe Cys Asp Ser Gln Asp Ala Asp Leu Ala Gln
          65          70          75
Val Glu Ser Phe Gln Glu Leu Asn Phe Leu Leu Arg Tyr Lys Gly
          80          85          90
Pro Ser Asp His Trp Ile Gly Leu Ser Arg Glu Gln Gly Gln Pro
          95          100          105
Trp Lys Trp Ile Asn Gly Thr Glu Trp Thr Arg Gln Phe Pro Ile
          110          115          120
Leu Gly Ala Gly Glu Cys Ala Tyr Leu Asn Asp Lys Gly Ala Ser
          125          130          135
Ser Ala Arg His Tyr Thr Glu Arg Lys Trp Ile Cys Ser Lys Ser
          140          145          150
Asp Ile His Val

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&lt;210&gt; 15

&lt;211&gt; 431

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7515114CD1

&lt;400&gt; 15

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Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu
 1          5          10          15
Leu Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu
          20          25          30
Arg Arg Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala
          35          40          45
Leu Pro Gly Ala Gly Ile Pro Phe Trp Ser His His Gly Asp Ala
          50          55          60
Ile Leu Gly Leu Glu Glu Val Arg Leu Thr Pro Ser Met Arg Asn
          65          70          75
Arg Ser Gly Ala Val Trp Ser Arg Ala Ser Val Pro Phe Ser Ala
          80          85          90
Trp Glu Val Glu Val Gln Met Arg Val Thr Gly Leu Gly Arg Arg
          95          100          105
Gly Ala Gln Gly Met Ala Val Trp Tyr Thr Arg Gly Arg Gly His
          110          115          120
Val Gly Ser Val Leu Gly Gly Leu Ala Ser Trp Asp Gly Ile Gly
          125          130          135
Ile Phe Phe Asp Ser Pro Ala Glu Asp Thr Gln Asp Ser Pro Ala
          140          145          150
Ile Arg Val Leu Ala Ser Asp Gly His Ile Pro Ser Glu Gln Pro
          155          160          165
Gly Asp Gly Ala Ser Gln Gly Leu Gly Ser Cys His Trp Asp Phe
          170          175          180
Arg Asn Arg Pro His Pro Phe Arg Ala Arg Ile Thr Tyr Trp Gly
          185          190          195
Gln Arg Leu Arg Met Ser Leu Asn Ser Gly Leu Thr Pro Ser Asp

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Pro Gly Glu Phe	200	Cys Val Asp Val Gly	205	Pro Leu Leu Leu Val	210
Gly Gly Phe Phe	215	Gly Val Ser Ala Ala	220	Thr Gly Thr Leu Ala	225
Glu Asp Pro Thr	230	Gly Gln Val Pro Pro	235	Gln Pro Phe Leu Glu	240
Gln Gln Leu Arg	245	Leu Ala Arg Gln Leu	250	Glu Gly Leu Trp Ala	255
Leu Gly Leu Gly	260	Thr Arg Glu Asp Val	265	Thr Pro Lys Ser Asp	270
Glu Ala Gln Gly	275	Glu Gly Glu Arg Leu	280	Phe Asp Leu Glu Glu	285
Leu Gly Arg His	290	Arg Arg Ile Leu Gln	295	Ala Leu Arg Gly Leu	300
Lys Gln Leu Ala	305	Gln Ala Glu Arg Gln	310	Trp Lys Lys Gln Leu	315
Pro Pro Gly Gln	320	Thr Arg Pro Asp Gly	325	Gly Trp Ala Leu Asp	330
Ser Cys Gln Ile	335	Pro Ser Thr Pro Gly	340	Arg Gly Gly His Leu	345
Met Ser Leu Asn	350	Lys Asp Ser Ala Lys	355	Val Gly Ala Leu Leu	360
Gly Gln Trp Thr	365	Leu Leu Gln Ala Leu	370	Gln Glu Met Ser Arg	375
Glu Leu Asn Lys	380	Ser Leu Gln Glu Cys	385	Leu Ser Thr Gly Ser	390
Pro Leu Gly Pro	395	Ala Pro His Thr Pro	400	Arg Ala Leu Gly Ile	405
Arg Arg Gln Pro	410	Leu Pro Ala Ser Met	415	Pro Ala	420
	425		430		

&lt;210&gt; 16

&lt;211&gt; 442

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7515136CD1

&lt;400&gt; 16

Met Pro Ala Val	1	Ser Gly Pro Gly Pro	5	Leu Phe Cys Leu Leu Leu	10	15
Leu Leu Leu Asp	20	Pro His Ser Pro Glu Thr	25	Gly Cys Pro Pro Leu	30	
Arg Arg Phe Glu	35	Tyr Lys Leu Ser Phe Lys	40	Gly Pro Arg Leu Ala	45	
Leu Pro Gly Ala	50	Gly Ile Pro Phe Trp Ser	55	His His Gly Asp Ala	60	
Ile Leu Gly Leu	65	Glu Glu Val Arg Leu Thr	70	Pro Ser Met Arg Asn	75	
Arg Ser Gly Ala	80	Val Trp Ser Arg Ala Ser	85	Val Pro Phe Ser Ala	90	
Trp Glu Val Glu	95	Val Gln Met Arg Val Thr	100	Gly Leu Gly Arg Arg	105	
Gly Ala Gln Gly	110	Met Ala Val Trp Tyr Thr	115	Arg Gly Arg Gly His	120	
Val Gly Ser Val	125	Leu Gly Gly Leu Ala Ser	130	Trp Asp Gly Ile Gly	135	
Ile Phe Phe Asp	140	Ser Pro Ala Glu Asp Thr	145	Gln Asp Ser Pro Ala	150	
Ile Arg Val Leu		Ala Ser Asp Gly His Ile		Pro Ser Glu Gln Pro		

				155					160					165
Gly	Asp	Gly	Ala	Ser	Gln	Gly	Leu	Gly	Ser	Cys	His	Trp	Asp	Phe
				170					175					180
Arg	Asn	Arg	Pro	His	Pro	Phe	Arg	Ala	Arg	Ile	Thr	Tyr	Trp	Gly
				185					190					195
Gln	Arg	Leu	Arg	Met	Ser	Leu	Asn	Ser	Gly	Leu	Thr	Pro	Ser	Asp
				200					205					210
Pro	Gly	Glu	Phe	Cys	Val	Asp	Val	Gly	Pro	Leu	Leu	Leu	Val	Pro
				215					220					225
Gly	Gly	Phe	Phe	Gly	Val	Ser	Ala	Ala	Thr	Gly	Thr	Leu	Ala	Asp
				230					235					240
Asp	His	Asp	Val	Leu	Ser	Phe	Leu	Thr	Phe	Ser	Leu	Ser	Glu	Pro
				245					250					255
Ser	Pro	Glu	Val	Pro	Pro	Gln	Pro	Phe	Leu	Glu	Met	Gln	Gln	Leu
				260					265					270
Arg	Leu	Ala	Arg	Gln	Leu	Glu	Gly	Leu	Trp	Ala	Arg	Leu	Gly	Leu
				275					280					285
Gly	Thr	Arg	Glu	Asp	Val	Thr	Pro	Lys	Ser	Asp	Ser	Glu	Ala	Gln
				290					295					300
Gly	Glu	Gly	Glu	Arg	Leu	Phe	Asp	Leu	Glu	Glu	Thr	Leu	Gly	Arg
				305					310					315
His	Arg	Arg	Ile	Leu	Gln	Ala	Leu	Arg	Gly	Leu	Ser	Lys	Gln	Leu
				320					325					330
Ala	Gln	Ala	Glu	Arg	Gln	Trp	Lys	Lys	Gln	Leu	Gly	Pro	Pro	Gly
				335					340					345
Gln	Ala	Arg	Pro	Asp	Gly	Gly	Trp	Ala	Leu	Asp	Ala	Ser	Cys	Gln
				350					355					360
Ile	Pro	Ser	Thr	Pro	Gly	Arg	Gly	Gly	His	Leu	Ser	Met	Ser	Leu
				365					370					375
Asn	Lys	Asp	Ser	Ala	Lys	Val	Gly	Ala	Leu	Leu	His	Gly	Gln	Trp
				380					385					390
Thr	Leu	Leu	Arg	Ala	Leu	Gln	Glu	Met	Arg	Gln	Glu	Leu	Asn	Lys
				395					400					405
Ser	Leu	Gln	Glu	Cys	Leu	Ser	Thr	Gly	Ser	Leu	Pro	Leu	Gly	Pro
				410					415					420
Ala	Pro	His	Thr	Pro	Arg	Ala	Leu	Gly	Ile	Leu	Arg	Arg	Gln	Pro
				425					430					435
Leu	Pro	Ala	Ser	Met	Pro	Ala								
				440										

<210> 17  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7515308CD1

<400> 17  
 Met Thr Ser Glu Ile Thr Tyr Ala Glu Val Arg Phe Lys Asn Glu  
 1 5 10 15  
 Phe Lys Ser Ser Gly Ile Asn Thr Ala Ser Ser Ala Val Phe Phe  
 20 25 30  
 Gln Lys Tyr Ser Gln Leu Leu Glu Lys Lys Thr Thr Lys Glu Leu  
 35 40 45  
 Val His Thr Thr Leu Glu Cys Val Lys Lys Asn Met Pro Val Glu  
 50 55 60  
 Glu Thr Ala Trp Ser Cys Cys Pro Lys Asn Trp Lys Ser Phe Ser  
 65 70 75  
 Ser Asn Cys Tyr Phe Ile Ser Thr Glu Ser Ala Ser Trp Gln Asp  
 80 85 90  
 Ser Glu Lys Asp Cys Ala Arg Met Glu Ala His Leu Leu Val Ile

	95		100		105
Asn Thr Gln Glu	Glu Gln Asp Phe Ile	Phe Gln Asn Leu Gln	Glu		
	110		115		120
Glu Ser Ala Tyr	Phe Val Gly Leu Ser	Asp Pro Glu Gly Gln	Arg		
	125		130		135
His Trp Gln Trp	Val Asp Gln Thr Pro	Tyr Asn Glu Ser Ser	Ala		
	140		145		150
Phe Trp His Pro	Arg Glu Pro Ser Asp	Pro Asn Glu Arg Cys	Val		
	155		160		165
Val Leu Asn Phe	Arg Lys Ser Pro Lys	Arg Trp Gly Trp Asn	Asp		
	170		175		180
Val Asn Cys Leu	Gly Pro Gln Arg Ser	Val Cys Glu Met Met	Lys		
	185		190		195
Ile His Leu					

&lt;210&gt; 18

&lt;211&gt; 336

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7516738CD1

&lt;400&gt; 18

Met Leu Leu Phe	Leu Leu Ser Ala	Leu Val Leu Leu Thr	Gln Pro	
1	5	10	15	
Leu Gly Tyr Leu	Glu Ala Glu Met	Lys Thr Tyr Ser His	Arg Thr	
	20	25	30	
Met Pro Ser Ala	Cys Thr Leu Val	Met Cys Ser Ser Val	Glu Ser	
	35	40	45	
Gly Leu Pro Gly	Arg Asp Gly Arg	Asp Gly Arg Glu Gly	Pro Arg	
	50	55	60	
Gly Glu Lys Gly	Asp Pro Gly Leu	Pro Gly Ala Ala Gly	Gln Ala	
	65	70	75	
Gly Met Pro Gly	Gln Ala Gly Pro	Val Gly Pro Lys Gly	Asp Asn	
	80	85	90	
Gly Ser Val Gly	Glu Pro Gly Pro	Lys Gly Asp Thr Gly	Pro Ser	
	95	100	105	
Gly Glu Val Gly	Ala Pro Gly Met	Gln Gly Ser Ala Gly	Ala Arg	
	110	115	120	
Gly Leu Ala Gly	Pro Lys Gly Glu	Arg Gly Val Pro Gly	Glu Arg	
	125	130	135	
Gly Val Pro Gly	Asn Ala Gly Ala	Ala Gly Ser Ala Gly	Ala Met	
	140	145	150	
Gly Pro Gln Gly	Ser Pro Gly Ala	Arg Gly Pro Pro Gly	Leu Lys	
	155	160	165	
Gly Asp Lys Gly	Ile Pro Gly Asp	Lys Gly Ala Lys Gly	Glu Ser	
	170	175	180	
Gly Leu Pro Asp	Val Ala Ser Leu	Arg Gln Gln Val Glu	Ala Leu	
	185	190	195	
Gln Gly Gln Val	Gln His Leu Gln	Ala Ala Phe Ser Gln	Tyr Lys	
	200	205	210	
Lys Val Glu Leu	Phe Pro Asn Gly	Gln Ser Val Gly Glu	Lys Ile	
	215	220	225	
Phe Lys Thr Ala	Gly Phe Val Lys	Pro Phe Thr Glu Ala	Gln Leu	
	230	235	240	
Leu Cys Thr Gln	Ala Gly Gly Gln	Leu Ala Ser Pro Arg	Ser Ala	
	245	250	255	
Ala Glu Asn Ala	Ala Leu Gln Gln	Leu Val Val Ala Lys	Asn Glu	
	260	265	270	
Ala Ala Phe Leu	Ser Met Thr Asp	Ser Lys Thr Glu Gly	Lys Phe	

Thr	Tyr	Pro	Thr	275	Gly	Glu	Ser	Leu	Val	280	Tyr	Ser	Asn	Trp	Ala	Pro	285
				290						295							300
Gly	Glu	Pro	Asn	305	Asp	Asp	Gly	Gly	Ser	310	Glu	Asp	Cys	Val	Glu	Ile	315
Phe	Thr	Asn	Gly	320	Lys	Trp	Asn	Asp	Arg	325	Ala	Cys	Gly	Glu	Lys	Arg	330
Leu	Val	Val	Cys	335	Glu	Phe											

&lt;210&gt; 19

&lt;211&gt; 258

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518619CD1

&lt;400&gt; 19

Met	Met	Leu	Ser	Leu	Asn	Asn	Leu	Gln	Asn	Ile	Ile	Tyr	Asn	Pro			
1				5					10					15			
Val	Ile	Pro	Tyr	Val	Gly	Thr	Ile	Pro	Asp	Gln	Leu	Asp	Pro	Gly			
				20					25					30			
Thr	Leu	Ile	Val	Ile	Cys	Gly	His	Val	Pro	Ser	Asp	Ala	Asp	Arg			
				35					40					45			
Phe	Gln	Val	Asp	Leu	Gln	Asn	Gly	Ser	Ser	Val	Lys	Pro	Arg	Ala			
				50					55					60			
Asp	Val	Ala	Phe	His	Phe	Asn	Pro	Arg	Phe	Lys	Arg	Ala	Gly	Cys			
				65					70					75			
Ile	Val	Cys	Asn	Thr	Leu	Ile	Asn	Glu	Lys	Trp	Gly	Arg	Glu	Glu			
				80					85					90			
Ile	Thr	Tyr	Asp	Thr	Pro	Phe	Lys	Arg	Glu	Lys	Ser	Phe	Glu	Ile			
				95					100					105			
Val	Ile	Met	Val	Leu	Lys	Asp	Lys	Phe	Gln	Val	Pro	Lys	Ser	Gly			
				110					115					120			
Thr	Pro	Gln	Leu	Ser	Leu	Pro	Phe	Ala	Ala	Arg	Leu	Asn	Thr	Pro			
				125					130					135			
Met	Gly	Pro	Gly	Arg	Thr	Val	Val	Val	Lys	Gly	Glu	Val	Asn	Ala			
				140					145					150			
Asn	Ala	Lys	Ser	Phe	Asn	Val	Asp	Leu	Leu	Ala	Gly	Lys	Ser	Lys			
				155					160					165			
Asp	Ile	Ala	Leu	His	Leu	Asn	Pro	Arg	Leu	Asn	Ile	Lys	Ala	Phe			
				170					175					180			
Val	Arg	Asn	Ser	Phe	Leu	Gln	Glu	Ser	Trp	Gly	Glu	Glu	Glu	Arg			
				185					190					195			
Asn	Ile	Thr	Ser	Phe	Pro	Phe	Ser	Pro	Gly	Met	Tyr	Phe	Glu	Met			
				200					205					210			
Ile	Ile	Tyr	Cys	Asp	Val	Arg	Glu	Phe	Lys	Val	Ala	Val	Asn	Gly			
				215					220					225			
Val	His	Ser	Leu	Glu	Tyr	Lys	His	Arg	Phe	Lys	Glu	Leu	Ser	Ser			
				230					235					240			
Ile	Asp	Thr	Leu	Glu	Ile	Asn	Gly	Asp	Ile	His	Leu	Leu	Glu	Val			
				245					250					255			

Arg Ser Trp

&lt;210&gt; 20

&lt;211&gt; 132

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;



&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7513061CD1

&lt;400&gt; 20

Met	Ala	Gln	Thr	Asn	Ser	Phe	Phe	Met	Leu	Ile	Ser	Ser	Leu	Met
1				5					10					15
Phe	Leu	Ser	Leu	Ser	Gln	Gly	Gln	Glu	Ser	Gln	Thr	Glu	Leu	Pro
				20					25					30
Asn	Pro	Arg	Ile	Ser	Cys	Pro	Glu	Gly	Thr	Asn	Ala	Tyr	Arg	Ser
				35					40					45
Tyr	Cys	Tyr	Tyr	Phe	Asn	Glu	Asp	Pro	Glu	Thr	Trp	Val	Asp	Ala
				50					55					60
Asp	Leu	Tyr	Cys	Gln	Asn	Met	Asn	Ser	Gly	Asn	Leu	Val	Ser	Val
				65					70					75
Leu	Thr	Gln	Ala	Glu	Gly	Ala	Phe	Val	Ala	Ser	Leu	Ile	Lys	Glu
				80					85					90
Ser	Ser	Thr	Asp	Asp	Ser	Asn	Val	Trp	Ile	Gly	Leu	His	Asp	Pro
				95					100					105
Lys	Lys	Asp	Ser	Arg	Asn	Gly	Arg	Met	Asn	Leu	Val	Arg	Arg	Ser
				110					115					120
Ser	Pro	Leu	Phe	Ala	Ser	Ser	Lys	Thr	Arg	Gly	Ser			
				125					130					

&lt;210&gt; 21

&lt;211&gt; 1143

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521032CB1

&lt;400&gt; 21

gcctgtgggt	tgcagtaaaa	agacaaggag	ggcctgagtg	atatgaccct	tcagataggg	60
aactcacaga	cggccagatg	ggaggtggag	cagggacgtc	attccactgg	ccatttttca	120
gtagcaatac	acaatcttca	tcagaaccag	cattgttggg	ttcaccctcg	ttccagtttg	180
tgtaggtcag	tctatttctc	gtcagatcca	caaactgcc	ttctgtcttc	tcacagtgta	240
tgcccaggaa	ggcttctctc	ttgatgagat	tctgaatggc	tccatgtccc	tgtttccatc	300
actcctctc	cttctctctga	gtatggtggc	agcgtcttac	tcagaaactg	tgacctgtga	360
ggatgccccaa	aagacctgcc	ctgcagtgat	tgcctgtagc	tctccaggca	tcaacggcctt	420
cccaggcaaa	gatgggcgtg	atggcaccaa	gggagaaaag	ggggaaccag	gccaagggct	480
cagaggctta	cagggccccc	ctggaaaagt	ggggcctcca	ggaaatccag	ggccttcttg	540
gtcaccagga	ccaaagggcc	aaaaaggaga	ccctggaaaa	agtccgggta	aggaccccag	600
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&lt;400&gt; 33

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